

# Notice of Allowability

Application No.

10/816,922

Examiner

Binh V. Ho

Applicant(s)

SUGIOKA, KIYOSHI

Art Unit

2163

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/28/2007.
2. ☒ The allowed claim(s) is/are 1,2,7 and 8.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

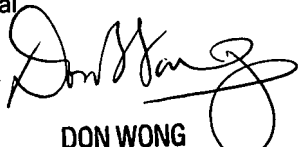
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 04/05/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



DON WONG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

## **DETAILED ACTION**

### **Examiner's Amendment**

1. An examiner's amendment to the record appears below. Should the changes and /or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.3.12. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. The following claim has been amended upon agreement by applicant during a telephone conversation with Mr. Reginald D. Lucas on 05/31/2007.

Amendments to claim 7:

Claim 1 (Original):

A data file system, comprising:

a plurality of data access nodes which access data which the data access nodes are responsible for accessing respectively;

and a brain node having:

an association table management section which manages an association table which describes an association between node IDs for discriminating among the plurality of data access nodes and data IDs each for identifying data which a data access node identified by a node ID is capable of accessing;

a request reception section which receives a data access request from a client;

Art Unit: 2163

a node search section which refers to the association table to search for a data access node which is capable of accessing the data for which the data access request is intended;

and a request transmission section which transmits the data access request to the data access node which is capable of accessing the data for which the data access request is intended, wherein each of the plurality of data access nodes has:

a request reception section which receives the data access request transmitted from the brain node;

a data access section which accesses the data designated by the data access request received at the request reception section of each of the data access nodes;

and a result transmission section which transmits the result of the data access by the data access section to the client which has made the data access request.

Claim 2 (Original):

The data file system according to claim 1, wherein the association table management section manages an association table that describes an association between the node IDs and protocol IDs each for identifying an access protocol used by a data access node identified by a node ID in addition to the association between the node IDs and the data IDs, and if the data access request received by the request reception section is a request to create a new data file, the request transmission section transmits the data access request to a data access node that uses an access protocol suitable for the protocol of the data access request.

Claim 3 -6 has been canceled.

Claim 7 (Currently Amended):

A brain program storage medium:

storing a brain program which runs on an information processing device allowing a program to run and makes the information processing device operate as a brain node which is connected to a plurality of data access nodes which access data which the data access nodes are responsible for;

accessing respectively and transmits a data access request to a data access node of the plurality of data access nodes which is responsible for accessing a desired data, wherein the brain program makes the information processing device operate as a brain node having:

an association table management section which manages an association table which describes an association between node IDs for discriminating among the plurality of data access nodes and data IDs each for identifying data which a data access node identified by a node ID is capable of accessing;

a request reception section which receives a data access request from a client;

a node search section which refers to the association table to search for a data access node which is capable of accessing the data for which the data access request is intended;

and a request transmission section which transmits the data access request to the data access node which is capable of accessing the data for which the data access request is intended.

Claim 8 (Original):

The brain program storage medium according to claim 7, wherein the association table management section manages an association table that describes an association between the node IDs and protocol IDs each for identifying an access protocol used by a data access node identified by a node ID in addition to the association between the node IDs and the data IDs, and if the data access request received by the request reception section is a request to create a new data file, the request transmission section transmits the data access request to a data access node that uses an access protocol suitable for the protocol of the data access request.

3. The Examiner's amendment has been made in order to place the application in a condition for allowance.

### **Reasons for Allowance**

4. The following is an examiner's statement of reason for allowance:

Claims 1, and 7 are considered allowable since the prior made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Yuasa (U.S. 2003/0090502) do not teach the claimed invention having a data file system, comprising: a plurality of data access nodes which access data which the data access nodes are responsible for accessing respectively; a brain node having a node search section which refers to the association table to search for a data access node which capable of accessing the data for which the data access request is intended with a combination of all recitations as defined in claims 1 and 7.

Therefore, claims 1-2, and 7-8 are presently allowed.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

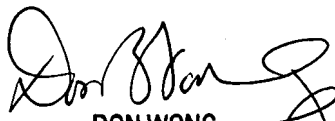
### Inquiry

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh V. Ho whose telephone number is 571 272 8583. The examiner can normally be reached on M-F from 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K. Wong can be reached on 571 272 1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Binh V Ho  
Examiner  
Art Unit 2163

  
DON WONG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100